

# Information Technology & Communications



To establish strategies, policies and procedures for effective implementation of Citywide information and communication technologies; provide information to the citizens of the region through the City Government Cable Channel; provide electronic information and interactive services via the Internet; and provide effective wireless communications to the City and other governmental agencies through high quality systems and services, ensuring the highest level of service to the public.

## Unfunded Needs List

### Information Technology and Communication

### Communications

CIP Number	Project Title	Funding Required in FY2003-2004	Funding Required in FY2005-2013	Description
37-510.0	City Operations Building Communications Tower	\$ 15,000	\$ -	This project would provide for inspection and renovation of the existing radio tower located on the roof of the City Operations Building. This tower is in need of safety inspection, structural survey, replacement of worn guy wires, and installation of Federal Aviation Administration mandated lighting. Tower antenna servicing has been halted at this location until this required inspection and renovation is completed.
37-508.0	Digital Microwave Network Replacement	\$ 1,550,000	\$ 8,000,000	This project would provide for replacing the Digital Microwave Network, which is already at capacity. The City is currently relying on public carriers to supply all of our needs for T-1 or greater circuits. The recurring cost from lease of these T-1 or greater circuits is an on-going expense, which would be eliminated by putting in new infrastructure to meet these needs. There are unmet needs for video from crime surveillance events for Police and Fire and Life Safety operations which require this bandwidth and system reliability. Without this new network, implementation of new technologies cannot occur, including the replacement of Police and Fire dispatch consoles that are ten years old and no longer manufactured.
37-505.0	Expansion of 800 MHz Public Safety Communications Network	\$ 135,000	\$ -	This project would provide for purchasing base stations, antennas and other equipment necessary to add an additional channel to the network. The City's 800 MHz Public Safety Communications Network now has over 12,000 users on the network and frequent "system busies" (lack of an available channel) are being experienced by radio users. This impacts Police and Fire communications during these busy times, and delays voice communications to and from units in the field and the dispatcher.

# Unfunded Needs List

## Communications

## Information Technology and Communication

CIP Number	Project Title	Funding Required in FY2003-2004	Funding Required in FY2005-2013	Description
37-507.0	Fire Dispatch Control Station Installation	\$ 50,600	\$ -	This project would provide for installing ten dispatch control stations at the Fire Dispatch Center to provide access to the new county radio network (RCS) for mutual aid operations. The RCS began operation in 1998. Mutual aid and automatic aid agreements with surrounding fire agencies (members of the RCS) will require specific fire and medical incidents to be moved to a mutual aid channel for multi-agency responses. The Fire Dispatch Center will require these control stations to maintain communications with field units when they are on the county's radio system. These stations are also needed to provide for uninterrupted dispatch operations in the event of a major system failure of the City's Microwave Network.
37-513.0	Lyons Peak Communications Antenna Tower	\$ 70,000	\$ -	This project provides for replacing four existing antenna support structures located at the Lyons Peak communications facility with one new 80-foot communications antenna tower. The communications facility at this location provides required radio coverage for Public Safety and Public Works Department units in the eastern San Diego area. The current antenna supports were constructed on the site in the 1960s and have deteriorated beyond repair. They no longer provide sufficient support for the necessary antennas for this facility and should be replaced with a communications tower built to accommodate the types of antennas employed in current radio systems.
37-506.0	Mobile Data System Replacement	\$ 4,000,000	\$ 6,000,000	This project would provide for a Citywide mobile data network for integration with the existing public safety and proposed public service computer-aided dispatch systems for the integration of all data calls for service from the public along with internal City dispatch needs. The City's mobile data network needs to be upgraded to continue to meet the needs of its customers. The benefits include: reduced dispatch time, reduced response time and reduced duplication of dispatches.

# Unfunded Needs List

## Information Technology and Communication

## Communications

CIP Number	Project Title	Funding Required in FY2003-2004	Funding Required in FY2005-2013	Description
37-503.0	Mount Woodson Tower and Building Upgrade	\$ 205,000	\$ -	This project would provide for remodeling the existing communications facility on Mount Woodson, and for installing a new 100-foot antenna tower. The facility and tower would house City communications equipment, and provide extra room so that the City can lease space to other tenants and thereby generate revenue for the City. It is estimated that there would be \$3,000 - \$4,000 in annual revenue to the General Fund. The City communications facility on Mount Woodson was built in the 1940s. It does not provide for such things as air conditioning, weather proofing or cable trays, which are essential for today's communications equipment.
37-512.0	Point Loma Communications Antenna Tower	\$ 110,000	\$ -	This project would provide for replacing the communications antenna tower located at the Point Loma communications facility with a new 100-foot antenna tower. The current tower was constructed in the 1950s and moved to this location in the 1970s. This tower is in need of replacement due to rust and deterioration of steel and the inability to support antennas currently needed at the location.
37-511.0	VHF Receiver System Upgrades	\$ 45,000	\$ -	This project would provide for replacement radio equipment for a portion of the aging VHF Radio System. This receiver system provides Police, Fire, and Public Works dispatch centers with the ability to hear radio units located in the field. Approximately 70% of the receivers used for this function are over 17 years old and are no longer supported by the manufacturer. Acquiring spare parts and future servicing of this equipment has become very difficult.
<b>Communications Subtotal</b>		<b>\$ 6,180,600</b>	<b>\$ 14,000,000</b>	
<b>Information Technology and Communication Total</b>		<b>\$ 6,180,600</b>	<b>\$ 14,000,000</b>	